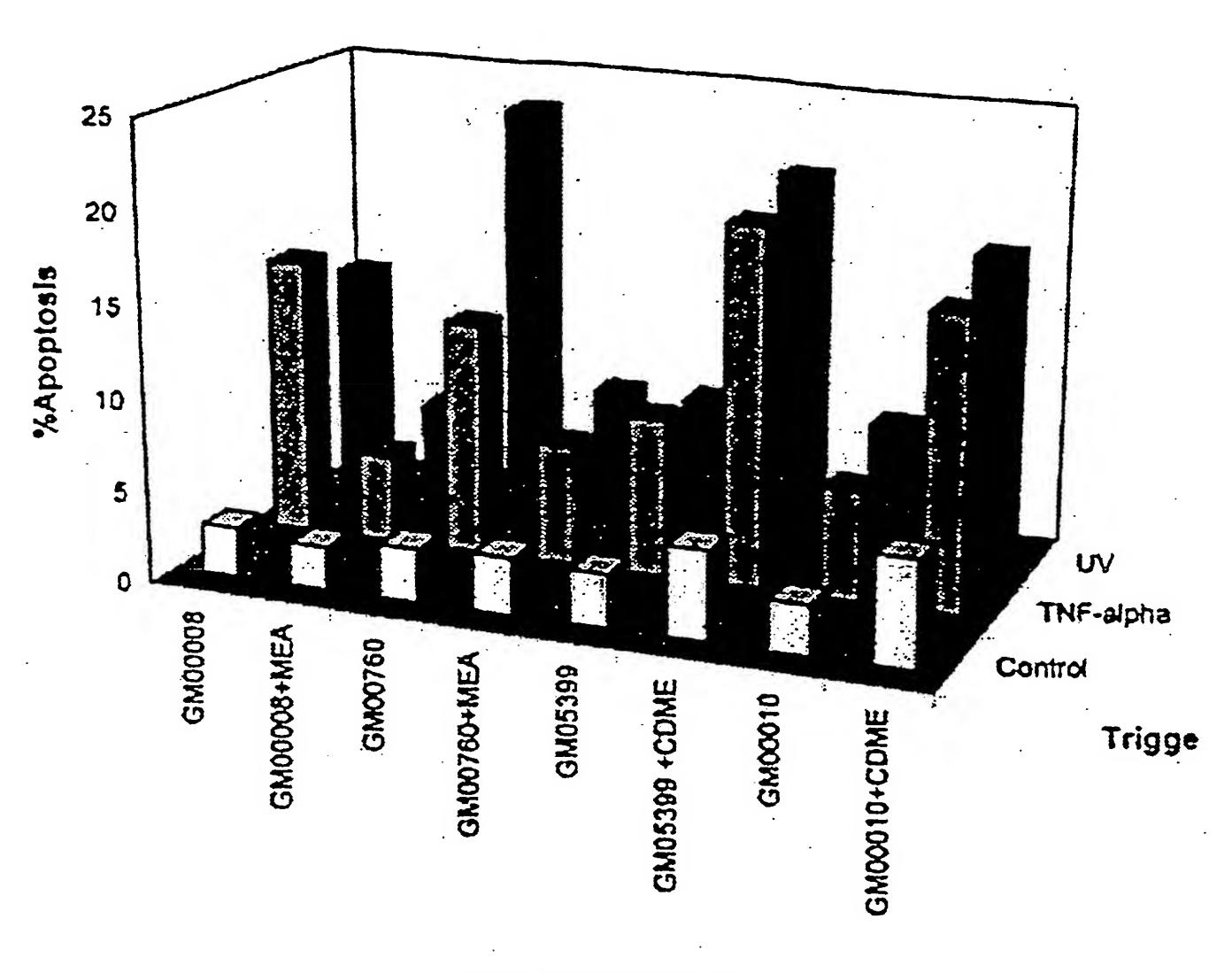
WO 2005/039490 PCT/US2004/032305

FIG. 1



Cell type/Treatment

FIG. 2

Treatment Compound	% Apoptosis	Compound Structure
Control	5.3	
Cystine	8.3	HO S-S-OH OH NH ₃
Cystine Dimethylester (CDME)	39.7	H ₃ CO S-S-SOCH ₃
Cystamine	5.0	H,N S S NH
Djenkolic Acid	5.8	HO S S OH
Djenkolic Acid Dimethylester (DKADME)	6.0	H ₃ CO S S OCH ₃
Penicillimine Disulfide	4.5	HO H ₃ C S - S CH ₃ OH O CH ₃ CH ₃ OH
Penicillimine Disulfide Dimethylester (PDDME)	5.8	H,CO H,C S—S CH, OCH,
Cys-Ala Disulfide	5.1	но СН, С СН, ОН, ОН NH2 S-S NH2 ОН
Cys-Ala Disulfide Dimethylester (CADME)	4.8	H ₃ CO CH ₃ OCH ₃ NH ₂ S-S NH ₂ OCH ₃
Cys-Gly Disulfide	4.4	но 5-s Н он NH ₂
Cys-Gly Disulfide Dimethylester (CGDME)	7.4	H ₃ CO NH ₂ S-S NH ₃ NH ₃
Cys-Val Disulfide	6.3	H ₃ C CH ₃
Cys-Val Disulfide Dimethylester (CVDME)	4.5	H³CO CH³ S-S NH³ OCH³

FIG. 3

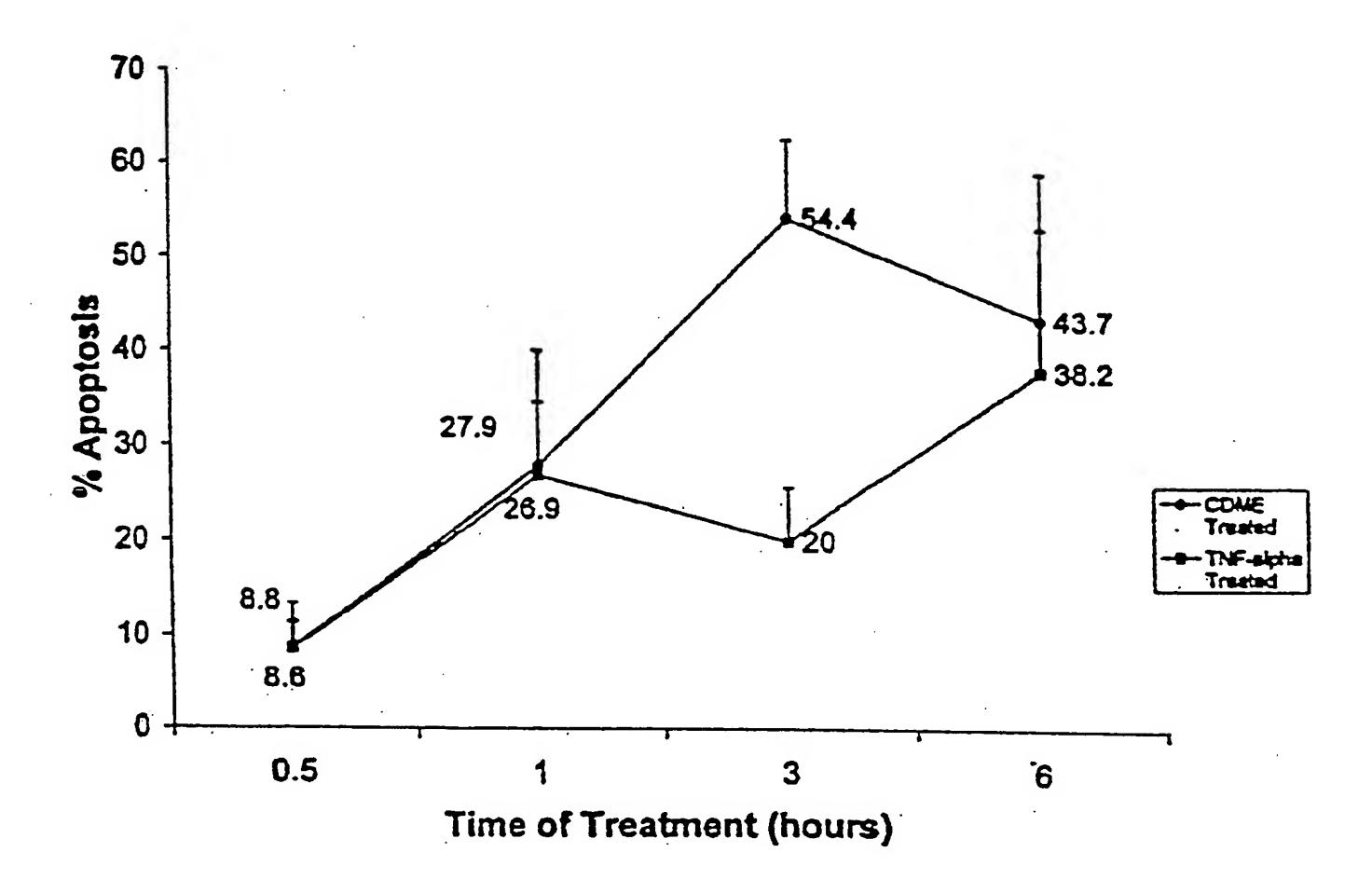


FIG. 4

